

MD 103 IS ASSUMED TO RUN
AN EAST-WEST DIRECTION

PROPOSED LED SIGNALS

1, 2, 4, 5, 6
R
Y
G
12"

3
R
Y
G
12"

EXISTING SIGNS TO REMAIN

7
ONLY

8
ONLY ONLY

9
ONLY

10
SOUTH
29

11
SOUTH
29

PROPOSED VIDEO DETECTION

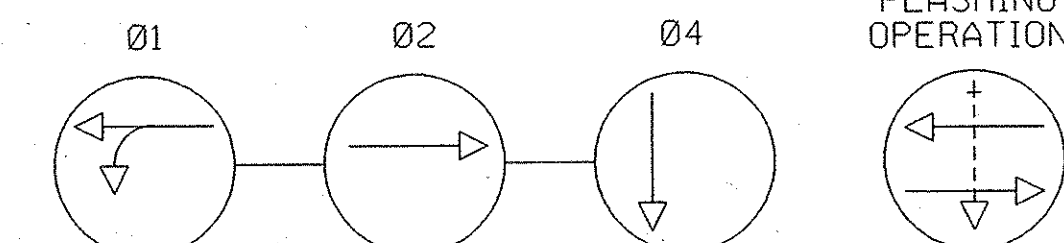
a, b, c



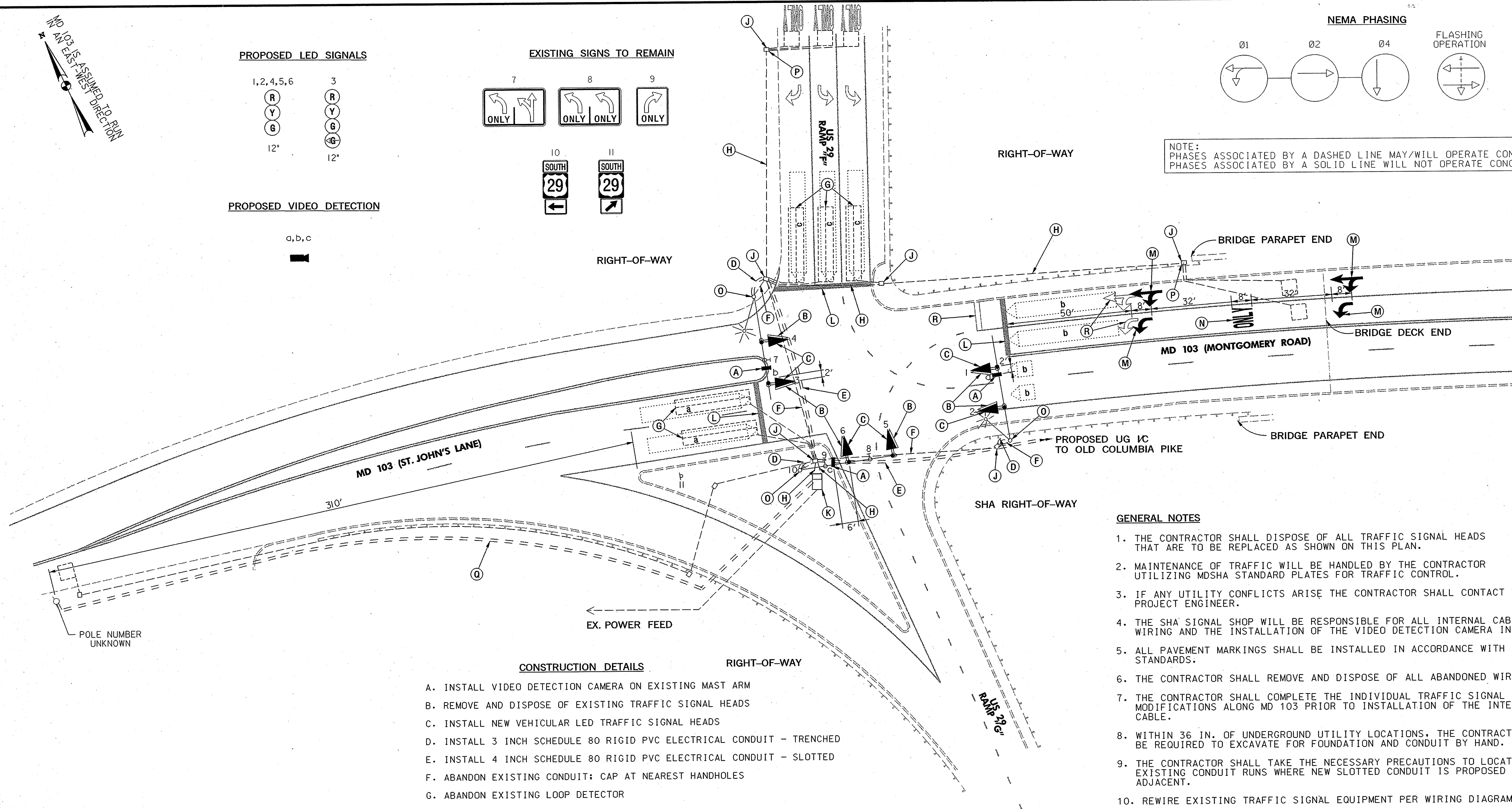
RIGHT-OF-WAY

RIGHT-OF-WAY

NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



GENERAL NOTES

1. THE CONTRACTOR SHALL DISPOSE OF ALL TRAFFIC SIGNAL HEADS THAT ARE TO BE REPLACED AS SHOWN ON THIS PLAN.
2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSA STANDARD PLATES FOR TRAFFIC CONTROL.
3. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
4. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING AND THE INSTALLATION OF THE VIDEO DETECTION CAMERA INTERFACE.
5. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSA STANDARDS.
6. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED WIRING.
7. THE CONTRACTOR SHALL COMPLETE THE INDIVIDUAL TRAFFIC SIGNAL MODIFICATIONS ALONG MD 103 PRIOR TO INSTALLATION OF THE INTERCONNECT CABLE.
8. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
9. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO LOCATE ANY EXISTING CONDUIT RUNS WHERE NEW SLOTTED CONDUIT IS PROPOSED IMMEDIATELY ADJACENT.
10. REWIRE EXISTING TRAFFIC SIGNAL EQUIPMENT PER WIRING DIAGRAM.

CONSTRUCTION DETAILS

RIGHT-OF-WAY

- A. INSTALL VIDEO DETECTION CAMERA ON EXISTING MAST ARM
- B. REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL HEADS
- C. INSTALL NEW VEHICULAR LED TRAFFIC SIGNAL HEADS
- D. INSTALL 3 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
- E. INSTALL 4 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - SLOTTED
- F. ABANDON EXISTING CONDUIT; CAP AT NEAREST HANDHOLES
- G. ABANDON EXISTING LOOP DETECTOR
- H. USE EXISTING CONDUIT
- J. USE EXISTING HANDHOLE
- K. USE EXISTING CABINET
- L. INSTALL 24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE
- M. INSTALL PERMANENT PREFORMED PAVEMENT MARKING ARROW
- N. INSTALL PERMANENT PREFORMED PAVEMENT MARKING LETTERS
- O. INSTALL 1-3 IN. PVC 90 DEGREE BEND IN EXISTING SIGNAL POLE FOUNDATION; CAP EXISTING 2 IN. BEND WHEN TRAFFIC SIGNAL MODIFICATION IS FUNCTIONAL
- P. SPLICE EXISTING LOOP DETECTOR WIRES TO NEW 2 CONDUCTOR (ALUMINUM SHIELDED) WIRES
- Q. INSTALL 2 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. CAP AND MARK CONDUIT AT UTILITY POLE FOR USE BY OTHERS. THE CONTRACTOR SHALL BORE THE CONDUIT UNDER THE RAMP.
- R. REMOVE EXISTING PERMANENT PAVEMENT MARKINGS

UTILITY LEGEND

—SD—SD— STORM DRAIN
—G—G— GAS MAIN
—W—W— WATER MAIN
—S—S— SEWER MAIN
—E—E— ELECTRIC CABLES
—A—A— AERIAL CABLES
—T—T— TELEPHONE CABLES
—F—F— FIBER-OPTIC

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TOD NO.: AT720-11
SHA No.:HO365A52/B52

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 103 (MONTGOMERY ROAD)
AT US 29 RAMP "F"

TRAFFIC SIGNALIZATION PLAN

SCALE 1"=20' DATE 08/08/08 CONTRACT NO. HO-629-501-70

DESIGNED BY R.R. ZACHERL COUNTY HOWARD
DRAWN BY D.A. NIES LOGMILE 13010307.37
CHECKED BY T.I.M.S. NO. G823
F.A.P. NO. TOD NO.

DRAWING NO. TS-2502D OF SHEET NO. 1 OF 8

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

① ADD VIDEO DETECTION/ PROVIDE SYSTEMATION/ UPGRADE SIGNAL HEADS TO LED
SHA AT 720/505
MAY 17, 1995
C. AS BUILT
S.H.A. NO. AW-791-501-785
F.J.H.

PLOTTED: WEDNESDAY, JULY 19, 2006 AT 01:41 PM
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